Perception & Psychophysics

Charles W. Eriksen, *Editor*
University of Illinois, Urbana-Champaign

Alene Landreth
Editorial Assistant

Associate Editors

Myron L. Braunstein, *University of California, Irvine*
Edward C. Carterette, *College of William & Mary*
Robert Fox, *Vanderbilt University*
Lester E. Krueger, *The Ohio State University*
Herschel W. Leibowitz, *Pennsylvania State University*
Neil Macmillan, *Brooklyn College of CUNY*
Christopher W. Tyler, *The Smith-Kettlewell Eye Research Foundation*

Consulting Editors

Lorraine Allan, *McMaster University*
George J. Andersen, *University of California, Riverside*
Howard E. Egeth, *Johns Hopkins University*
John H. Flowers, *University of Nebraska-Lincoln*
Wendell R. Garner, *Yale University*
Walter C. Gogel, *University of California, Santa Barbara*
Morton A. Heller, *Winston-Salem State University*
James E. Hoffman, *University of Delaware*
Tarow Indow, *University of California, Irvine*
Stanley Klein, *University of California, Berkeley*
Joseph S. Lappin, *Vanderbilt University*
Lawrence W. Marks, *John B. Pierce Foundation*
Jeffrey O. Miller, *University of California, San Diego*
W. Trammell Neill, *Adelphi University*
Harold Pashler, *University of California, San Diego*
Robert W. Proctor, *Purdue University*
Dennis R. Proffitt, *University of Virginia*
Martha Teghtsoonian, *Smith College*
A. H. C. van der Heijden, *Leiden University*
Steven Yantis, *Johns Hopkins University*

Volume 51

Publications Committee of the Psychonomic Society

Henry L. Roediger III, Chair, *Rice University*
Anne M. Treisman, *University of California, Berkeley*
Alice F. Healy, *University of Colorado*
Elizabeth Loftus, *University of Washington*
Douglas L. Medin, *University of Michigan*
Michael Domjan, *University of Texas at Austin*

Publications Office of the Psychonomic Society

Ellen Woodard, *Executive Director*
Anne Matson Dossett, *Managing Editor*
Michael F. Slattery, Jr., *Assistant to Managing Editor*
C. E. Wheeless, *Printing Manager*

Published monthly by **THE PSYCHONOMIC SOCIETY, Inc.**
1710 Fortview Road, Austin, Texas 78704
Publication No. 427920 (ISSN 0031-5117)
Second Class Postage paid at Austin, Texas
Copyright 1992 by THE PSYCHONOMIC SOCIETY, INC.

STAFF IN AUSTIN

John E. Bellquist
Chris Bezoff
Calvin Cahan
Patricia A. Dossett
Dreanne M. Grenier
Diane Callis Hall
Gayle Harris
Gary J. Harrison
Diane Mankedick
Claudia McNutt
Gerard B. Pringle
Meredith Rees
Gail Tosto-Geiger
Becky Willard

Contents of Volume 51

Anderson, B. L. **Hysteresis, cooperativity, and depth averaging in dynamic random-dot stereograms** 511

Bashford, Jr., J. A., Riener, K. R., & Warren, R. M. **Increasing the intelligibility of speech through multiple phonemic restorations** 211

Baylis, G. C., & Driver, J. **Visual parsing and response competition: The effect of grouping factors** .. 145

Bharucha, J. J. See Tekman, H. G.

Birch, E. E. See Swanson, W. H.

Boles, D. B. **Fast visual generation: Its nature and chronometrics** 239

Botella, J., & Eriksen, C. W. **Filtering versus parallel processing in RSVP tasks** 334

Braunstein, M. L. See Saidpour, A.

Bravo, M. J., & Nakayama, K. **The role of attention in different visual-search tasks** 465

Broadbent, H. A. See Collyer, C. E.

Brown, J. M., Weisstein, N., & May, J. G. **Visual search for simple volumetric shapes** 40

Butler, R. A., & Humanski, R. A. **Localization of sound in the vertical plane with and without high-frequency spectral cues** 182

Carello, C., Fitzpatrick, P., & Turvey, M. T. **Haptic probing: Perceiving the length of a probe and the distance of a surface probed** 580

Church, R. M. See Collyer, C. E.

Cloutier, P. See Petrusic, W. M.

Collyer, C. E., Broadbent, H. A., & Church, R. M. **Categorical time production: Evidence for discrete timing in motor control** 134

Coren, S. See Purghé, F.

Craig, J. C. See Evans, P. M.

Crassini, B. See Day, R. H.

Crassini, B. See Webster, W. R.

Craven, B. J. **A table of d′ for *M*-alternative odd-man-out forced-choice procedures** 379

Day, R. H., Webster, W. R., Gillies, O., & Crassini, B. **Spatial-frequency-contingent color aftereffects: Adaptation with one-dimensional stimuli** 57

Day, R. H. See Webster, W. R.

Dekle, D. J., Fowler, C. A., & Funnell, M. G. **Audiovisual integration in perception of real words** 355

Deregowski, J. B., & Parker, D. M. **Three-space inference from two-space stimulation** 397

Dienes, Z. See Driver, J.

Driver, J., McLeod, P., & Dienes, Z. **Motion coherence and conjunction search: Implications for guided search theory** 79

Driver, J. See Baylis, G. C.

Eby, D. W. **The spatial and temporal characteristics of perceiving 3-D structure from motion** 163

Egeth, H. See:
Kwak, H.-W.
Pang, K.

Emerson, P. L., & Pesta, B. J. **A generalized visual latency explanation of the Pulfrich phenomenon** .. 319

Eriksen, C. W. **Editorial announcement** 1

Eriksen, C. W. See Botella, J.

Evans, P. M., & Craig, J. C. **Response competition: A major source of interference in a tactile identification task** 199

Fitzpatrick, P. See Carello, C.

Flach, J. M., Hagen, B. A., & Larish, J. F. **Active regulation of altitude as a function of optical texture** 557

Fowler, C. A. See Dekle, D. J.

Funnell, M. G. See Dekle, D. J.

Geelhoed, E. N. See MacRae, A. W.

Gillies, O. See:
Day, R. H.
Webster, W. R.

Gogel, W. C., & Tietz, J. D. **Absence of compensation and reasoning-like processes in the perception of orientation in depth** 309

Grainger, J., O'Regan, J. K., Jacobs, A., & Segui, J. **Neighborhood frequency effects and letter visibility in visual word recognition** 49

Gregson, R. A. M., & Harvey, J. P. **Similarities of low-dimensional chaotic auditory attractor sequences to quasirandom noise** 267

Grice, G. R., & Reed, J. M. **What makes targets redundant?** 437

Hagen, B. A. See Flach, J. M.

Hanna, T. E. See Leek, M. R.

Harvey, J. P. See Gregson, R. A. M.

Heller, M. A. **The effect of orientation on tactual braille recognition: Optimal touching positions** .. 549

Hershenson, M. **Size–distance invariance: Kinetic invariance is different from static invariance** 541

Higashiyama, A. **Anisotropic perception of visual angle: Implications for the horizontal–vertical illusion, overconstancy of size, and the moon illusion** 218

Hilkhuysen, G. See Nakajima, Y.

Hoffman, D. D. See Saidpour, A.

Humanski, R. A. See Butler, R. A.

Jacobs, A. M. See Grainger, J.

Jenison, R. L. See Kluender, K. R.

Johnston, J. C. See Remington, R. W.

Kappers, A. M. L. See Wüst, R.
Kluender, K. R., & Jenison, R. L. **Effects of glide slope, noise intensity, and noise duration on the extrapolation of FM glides through noise** 231
Kluender, K. R., & Walsh, M. A. **Amplitude rise time and the perception of the voiceless affricate/fricative distinction** 328
Koenderink, J. J. See Wüst, R.
Kurtz, K. J. See Warren, W. H.
Kwak, H.-W., & Egeth, H. **Consequences of allocating attention to locations and to other attributes** . . 455
Lappin, J. S., & Love, S. R. **Planar motion permits perception of metric structure in stereopsis** 86
Lappin, J. S. See Norman, J. F.
Larish, J. F. See Flach, J. M.
Leek, M. R., Hanna, T. E., & Marshall, L. **Estimation of psychometric functions from adaptive tracking procedures** 247
Lesko, K. E. See Melara, R. D.
Li, X., & Smith, A. F. **Unitary classification in a comparison task** 257
Love, S. R. See Lappin, J. S.
Lusky, M. See Thomas, D. R.
MacRae, A. W., & Geelhoed, E. N. **Preference can be more powerful than detection of oddity as a test of discriminability** 179
Marks, L. E. **The slippery context effect in psychophysics: Intensive, extensive, and qualitative continua** 187
Marks, L. E. See Melara, R. D.
Marshall, L. See Leek, M. R.
May, J. G. See Brown, J. M.
McLeod, P. See Driver, J.
McRoberts, G. W., & Sanders, B. **Sex differences in performance and hemispheric organization for a nonverbal auditory task** 118
Melara, R. D., Marks, L. E., & Lesko, K. E. **Optional processes in similarity judgments** 123
Merkel, F. See Pang, K.
Morrison, S. See Thomas, D. R.
Nakajima, Y., ten Hoopen, G., Hilkhuysen, G., & Sasaki, T. **Time-shrinking: A discontinuity in the perception of auditory temporal patterns** 504
Nakayama, K. See Bravo, M. J.
Norman, J. F., & Lappin, J. S. **The detection of surface curvatures defined by optical motion** 386
Olton, D. S. See Pang, K.
Ono, H., Shimono, K., & Shibuta, K. **Occlusion as a depth cue in the Wheatstone–Panum limiting case** 3
O'Regan, J. K. See Grainger, J.
Pang, K., Merkel, F., Egeth, H., & Olton, D. S. **Expectancy and stimulus frequency: A comparative analysis in rats and humans** 607
Parker, D. M. See Deręgowski, J. B.
Pesta, B. J. See Emerson, P. L.
Petrusic, W. M., & Cloutier, P. **Metacognition in psychophysical judgment: An unfolding view of comparative judgments of mental workload** 485
Predebon, J. **The role of instructions and familiar size in absolute judgments of size and distance** . . 344
Pressey, A. W. **Another look at attentive fields: Comments on Pollack and Jaeger** 404
Pressey, A. W., & Pressey, C. A. **Attentive fields are related to focal and contextual features: A study of Müller-Lyer distortions** 423
Pressey, C. A. See Pressey, A. W.
Prinzmetal, W. **The word-superiority effect does not require a T-scope** 473
Purghé, F., & Coren, S. **Subjective contours 1900-1990: Research trends and bibliography** 291
Reed, J. M. See Grice, G. R.
Remington, R. W., Johnston, J. C., & Yantis, S. **Involuntary attentional capture by abrupt onsets** . . 279
Repp, B. H. **Perceptual restoration of a "missing" speech sound: Auditory induction or illusion?** 14
Riener, K. R. See Bashford, Jr., J. A.
Robinson, G. H. **Single-parameter power law psychophysics of auditory numerosity and the psychological moment hypothesis** 363
Saidpour, A., Braunstein, M. L., & Hoffman, D. D. **Interpolation in structure from motion** 105
Sanders, B. See McRoberts, G. W.
Sasaki, T. See Nakajima, Y.
Segui, J. See Grainger, J.
Seltzer, S. F., Yarczower, M., Woo, R., & Seltzer, J. L. **Laterality and modality-specific effects of chronic pain** 500
Seltzer, J. L. See Seltzer, S. F.
Shibuta, K. See Ono, H.
Shimono, K. See Ono, H.
Smith, A. F. See Li, X.
Swanson, W. H., & Birch, E. E. **Extracting thresholds from noisy psychophysical data** 409
Tekman, H. G., & Bharucha, J. J. **Time course of chord priming** 33
Ten Hoopen, G. See Nakajima, Y.
Theeuwes, J. **Perceptual selectivity for color and form** 599
Thomas, D. R., Lusky, M., & Morrison, S. **A comparison of generalization functions and frame of reference effects in different training paradigms** . . 529
Tietz, J. D. See Gogel, W. C.
Turvey, M. T. See Carello, C.
Walsh, M. A. See Kluender, K. R.
Warren, R. M. See Bashford, Jr., J. A.
Warren, W. H., & Kurtz, K. J. **The role of central and peripheral vision in perceiving the direction of self-motion** 443
Webster, W. R., Day, R. H., Gillies, O., & Crassini, B. **Spatial-frequency-contingent color aftereffects: Adaptation with two-dimensional stimulus patterns** 66
Webster, W. R. See Day, R. H.

Weisstein, N. See Brown, J. M.
Woo, R. See Seltzer, S. F.
Wüst, R., Kappers, A. M. L., & Koenderink, J. J.
Visually controlled matching of pattern movement . . 569
Yantis, S. See Remington, R. W.
Yarczower, M. See Seltzer, S. F.

ARTICLES IN PRESS

Forthcoming *Perception & Psychophysics articles* 103
207
305
406
508
616

NOTICES AND ANNOUNCEMENTS

Nominations for the Editorship of *Perception & Psychophysics* . . . 208
307
Nominations for the Editorship of *Memory & Cognition* 208
307
Travel grant for Brussels Congress 209
308
Call for assistance in the compilation of a history of the Psychonomic Society 209
408
579
Jean S. Morgan 1922-1992 306
International Congress of Psychology 308
APA applies for travel grant for Brussels Congress 209
308
Third International Conference on Visual Search 510
Seventh International Conference on Event Perception and Action . . . 606
The Australia Prize 618